

And please amend the abstract as follows:

Abstract

A helical screw rotor compressor adapted for working against a pressure container whose pressure P is allowed to vary between a lowest pressure P2 and a highest pressure P1, ~~said the~~ compressor being driven by an electric motor. The electric motor ~~is characterised by having~~ has, in one operating range defined by the pressure interval P of ~~said the~~ the pressure container, a quality such that halving of the load torque of ~~said the~~ motor will result in an increase in motor speed of at least of 6 percent. It is also preferred that the compressor is optimised for an internal volume factor at which the pressure of the compressor will be lower than $P2+0.85*(P1-P2)$ at the opening instance.